

**In the Claims:**

Please cancel claim 1 without prejudice and amend claims 2 to 14 as follows:

Claim 1.(canceled)

2.(currently amended) An aluminum-free Aluminum-free-borosilicate glass with chemical resistance and having as defined in claim 1, characterized by a  
composition, in percent by weight, based on oxide content, of:

SiO<sub>2</sub> 67 - 75

B<sub>2</sub>O<sub>3</sub> 9 - 18

Li<sub>2</sub>O 0 - 1

Na<sub>2</sub>O 0 - 3

K<sub>2</sub>O 5 - 10

with Li<sub>2</sub>O + Na<sub>2</sub>O + K<sub>2</sub>O 5.5 - 13.5

CaO 0 - 1

BaO 0 - 1

ZnO 0 - 1

TiO<sub>2</sub> 0 - 1

ZrO<sub>2</sub> 0.8 - 10.5

CeO<sub>2</sub> 0 - 0.4

F<sup>-</sup> 0 - 0.6

and optionally at least one refining agent in a standard amount for refining.

3.(currently amended) The aluminum-free Aluminum-free borosilicate glass as defined in claim 2[[1]], characterized by a composition, in percent by weight, based on oxide content, of:

SiO<sub>2</sub> 68 - 74

B<sub>2</sub>O<sub>3</sub> 9 - 13

Li<sub>2</sub>O 0 - 1

Na<sub>2</sub>O 0 - 3

K<sub>2</sub>O 5 - 10

with Li<sub>2</sub>O + Na<sub>2</sub>O + K<sub>2</sub>O 5.5 - 13.5

ZrO<sub>2</sub> 3 - 7

CeO<sub>2</sub> 0 - 0.4

F<sup>-</sup> 0 - 0.6

and optionally at least one refining agent in a standard amount for refining.

4.(currently amended) The aluminum-free Aluminum-free borosilicate glass as defined in claim 2[[1]], characterized by a composition, in percent by weight, based on oxide content, of:

SiO<sub>2</sub> 71 - 74

B<sub>2</sub>O<sub>3</sub> 9 - 12

Li<sub>2</sub>O 0 - 1

Na<sub>2</sub>O 0 - 3

K<sub>2</sub>O 7 - 10

with Li<sub>2</sub>O + Na<sub>2</sub>O + K<sub>2</sub>O 7 - 13.5

ZrO<sub>2</sub> 4 - 7,

and optionally at least one refining agent in a standard amount for refining.

5.(currently amended) The aluminum-free Aluminum-free borosilicate glass as defined in claim 2[[1]], characterized by a composition, in percent by weight, based on oxide content, of:

SiO<sub>2</sub> 68 - 71

B<sub>2</sub>O<sub>3</sub> 9[[8]] - 11

Li<sub>2</sub>O 0 - 1

Na<sub>2</sub>O 0 - 3

K<sub>2</sub>O 8 - 10[[11]]

with Li<sub>2</sub>O + Na<sub>2</sub>O + K<sub>2</sub>O 8 - 13.5

ZrO<sub>2</sub> 7.5 - 10.5

and optionally at least one refining agent in a standard amount for refining.

6.(currently amended) The aluminum-free Aluminum-free borosilicate glass as defined in claim 2[[1]], characterized by a composition, in percent by weight, based on oxide content, of:

SiO<sub>2</sub> 70 - 75

B<sub>2</sub>O<sub>3</sub> 15 - 18

Li<sub>2</sub>O 0 - 1

Na<sub>2</sub>O 0 - 3

K<sub>2</sub>O 5 - 8

with  $\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O}$  5.5 - 10.5

$\text{CaO}$  0 - 1

$\text{BaO}$  0 - 1

$\text{TiO}_2$  0 - 1

$\text{ZrO}_2$  0.8 - 5

and optionally at least one refining agent in a standard amount for refining.

7.(currently amended) The aluminum-free ~~Aluminum-free~~ borosilicate glass as defined in claim 2[[1]], characterized by a composition, in percent by weight, based on oxide content, of:

$\text{SiO}_2$  67 - 70

$\text{B}_2\text{O}_3$  15 - 18

$\text{Li}_2\text{O}$  0 - 1

$\text{Na}_2\text{O}$  0 - 3

$\text{K}_2\text{O}$  7 - 10

with  $\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O}$  7 - 12.5

$\text{ZnO}$  0 - 1

$\text{ZrO}_2$  2.5 - 6

and optionally at least one refining agent in a standard amount for refining.

8.(currently amended) The aluminum-free ~~Aluminum-free~~ borosilicate glass as defined in claim 2[[1]], characterized by a composition, in percent by weight, based on oxide content, of:

SiO<sub>2</sub>      74 – 75[[78]]  
B<sub>2</sub>O<sub>3</sub>      12 - 15  
Li<sub>2</sub>O      0 - 1  
Na<sub>2</sub>O      0 - 3  
K<sub>2</sub>O      5[[3]] - 8  
with Li<sub>2</sub>O + Na<sub>2</sub>O + K<sub>2</sub>O      5.5[[3]] - 11  
ZnO      0 - 1  
ZrO<sub>2</sub>      2.5 - 7

and optionally at least one refining agent in a standard amount for refining.

9.(currently amended) The aluminum-free Aluminum-free borosilicate glass as defined in claim 2[[1]], and containing at least 0.2 percent by weight of said Li<sub>2</sub>O.

10.(currently amended) The aluminum-free Aluminum-free borosilicate glass as defined in claim 2[[1]], and containing at least 0.3 percent by weight of said Na<sub>2</sub>O.

11.(currently amended) The aluminum-free Aluminum-free borosilicate glass as defined in claim 2[[1]], and containing at least 0.5 percent by weight of said Na<sub>2</sub>O.

12.(currently amended) The aluminum-free Aluminum-free borosilicate glass as defined in claim 2[[1]], and containing at least 0.2 percent by weight of said Li<sub>2</sub>O and at least 0.3 percent by weight of said Na<sub>2</sub>O.

13.(currently amended) The aluminum-free Aluminum-free borosilicate glass as defined in claim 2[[1]], free of As<sub>2</sub>O<sub>3</sub> and Sb<sub>2</sub>O<sub>3</sub> apart from inevitable impurities thereof.

14.(currently amended) The aluminum-free Aluminum-free borosilicate glass as defined in claim 2[[1]], having a coefficient of thermal expansion  $\alpha$  (20°C; 300°C) of between 3.0 X 10<sup>-6</sup>/K and 6 X 10<sup>-6</sup>/ K and a working point V<sub>A</sub> of between 990°C and 1290°C.

Claims 15 to 21.(canceled).